BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Construction of Old age homes and other buildings in JP PARK ward No: 17

RR Nagar Project

Measurement Sheet

PAYMENT CERTIFICATE
3rd & Part BILL

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

NAME OF WORK: Construction of Old age homes and other buildings in JP PARK ward No.17.

Estimate Cost	500.00Lakhs
Job Code No	017-19-000016 (P-3494)
AS No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
TS No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
Ag No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
Wo No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
Tenderd Amount (Rs)	4,41,02,582.76
Name of the agency:	K R GOVINDARAJU.
Bill No :	3rd and part Bill.

Description

Item No : 1	Earth work excavation for foundation of structures upto 3 mtrs.by mechanical means as per drawing and technical specification, including setting out, providing shoring, strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required and utilising / transporting the remaining earth upto 1.00km lead. including cost of labour, materials and HOM etc., complete. - do - In all types of soils. complete as per the direction of the Engineer in-charge

Measurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Levelling and lowering	Cum	1	45.00			45.00	0.25	506.25	
EWE for sump	Cum	1	7.50			4.50	2.85	96.19	
behind STP Plant	Cum	1	43.00			28.00	0.75	903.00	
							Total	1505.44	
							Deduct paid Qty	484.86	
							Qty Paid on This Bill	**1020.58**	
							Upto 125%	**121.22**	
							Above 125%	**899.36**	

A.E.E (P) R.R. Naga

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

B.K. [illegible]
Assistant Engineer(P)
RR Nagara,BBMP

B.K. [illegible]
Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

NAME OF WORK: Construction of Old age homes and other buildings in JP PARK ward No.17.

Estimate Cost	500.00Lakhs
Job Code No	017-19-000016 (P-3494)
AS No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
TS No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
Ag No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
WO No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
Tenderd Amount (Rs)	4,41,02,582.76
Name of the agency:	K R GOVINDARAJU.
Bill No :	3rd and part Bill.

Description

Item No : 2	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. complete as per the direction of the Engineer in-charge.

Measurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
EWE for pile cap	Cum	66	1.50			3.00	0.65	193.05	
	Cum	14	1.50			1.50	0.65	20.48	
for SSM									
Western side	Cum	1	9.80			0.75	0.60	4.41	
	Cum	2	5.10			0.75	0.60	4.59	
Northern side	Cum	1	21.13			0.75	0.60	9.51	
	Cum	1	3.00			0.75	0.60	1.35	
Southern side	Cum	1	31.62			0.75	0.60	14.23	
Eastern side	Cum	1	21.15			0.75	0.60	9.52	
	Cum	1	4.53			0.75	0.60	2.04	
Portico allround	Cum	2	5.07			0.75	0.60	4.56	

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	Cum	1	7.00			0.75	0.60	3.15	
stub to plinth	Cum	4	6.23			0.75	0.60	11.21	
stub foundation	Cum	10	0.75			0.75	0.60	3.38	
open area	Cum	2	13.27			0.75	0.60	11.94	
	Cum	2	8.26			0.75	0.60	7.43	
FOR RETAINING WALL	Cum	1	91.70			2.80	2.10	539.20	
Compd wall	Cum	21	1.80			1.80	1.60	108.86	
southern side	Cum	1	16.90			0.75	1.60	20.28	
RCC Drain	Cum	1	44.00			1.20	0.90	47.52	
							Total Qty	1016.71	
							Deduct paid Qty	369.36	
							Qty Paid on This Bill	**647.35**	
							Upto 125%	**92.34**	
							Above 125%	**555.01**	

A.E.E (P)
R.R. Nagar

Contractor

Consultant Representative

B.C. Consultants & Engineers
Bangalore

Assistant Engineer(P)
RR Nagara,BBMP

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Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

NAME OF WORK: Construction of Old age homes and other buildings in JP PARK ward No.17.

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Job Code No	017-19-000016 (P-3494)
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TS No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
Ag No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
Wo No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
Tenderd Amount (Rs)	4,41,02,582.76
Name of the agency:	K R GOVINDARAJU.
Bill No :	3rd and part Bill.

Description

Item No : 4	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. complete as per the direction of the Engineer in-charge.

Measurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
A4-A6/A'4-A'6	Cum	1	3.35			1.39	0.75	3.48	
A'4-A'6/C'4-C'6	Cum	1	3.35			4.39	0.75	11.02	
A6-A8/C6-C8	Cum	1	4.15			6.00	0.75	18.69	
A8-A11/C8-C11,	Cum	1	4.15			6.00	0.75	18.69	
A11-A13/C11-C13	Cum	1	4.15			6.00	0.75	18.69	
B13-B'14/C13-C14	Cum	1	4.15			6.00	0.75	18.69	
C6-C8/D6-D8	Cum	1	4.15			6.00	0.75	18.69	
C8-C11/D8-D11	Cum	1	4.15			6.00	0.75	18.69	
C11-C13/D11-D13	Cum	1	4.15			6.00	0.75	18.69	
C1-C5/D1-D5	Cum	1	10.50			6.00	0.75	47.25	
C14-C17/D14-D17	Cum	1	10.50			6.00	0.75	47.25	

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F1-F5/H1-H4	Cum	1	10.50			6.00	0.75	47.25	
F14-F17/H14-H17	Cum	1	10.50			6.00	0.75	47.25	
J1-L1-J5-L5 / J14-L14-J17-L17	Cum	1	10.50			6.00	0.75	47.25	
C5-C6/D5-D6	Cum	1	2.10			6.00	0.75	9.45	
C13-C14/D13-D14	Cum	1	2.10			6.00	0.75	9.45	
D1-D5/F1-F5; D14-D17/F14-F17	Cum	2	9.00			3.20	0.75	43.20	
H1-H5/J1-J5 ; H14-H17/J14-J17	Cum	2	9.00			3.20	0.75	43.20	
E5-E6/E13-E14; I5-I6/I13-I14	Cum	2	2.00			7.80	0.75	23.40	
D5-D14/E5-E14	Cum	1	16.66			2.10	0.75	26.24	
I5-I14/J5-J14	Cum	1	17.12			2.10	0.75	26.96	
J5J7/K5-K7; J12-J14/K12-K14	Cum	1	3.12			4.76	0.75	11.12	
J7-J11/K7-K11	Cum	1	7.59			3.12	0.75	17.73	
K5-K7/M5-M7; K11-K14/M11-M14	Cum	2	4.27			4.59	0.75	29.40	
K7-K12/M7-M12	Cum	1	4.27			7.59	0.75	24.31	
Garden area	Cum	1	9.38			12.92	0.45	54.54	
							Total Qty	700.60	
							Deduct paid Qty	597.00	
							Qty Paid on This Bill	**103.60**	

A.E.E (P)
R.R. Nagara

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

B R
Assistant Engineer(P)
RR Nagara,BBMP

B.K.
Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
ob Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
/o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
enderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

tem No : 5	Providing and laying in position Plain Cement Concrete of Mix 1:4:8 with OPC cement @ 180kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 cum & fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification complete as per the direction of the Engineer in-charge.

leasurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
PCC for pile cap									
Double pile footing	Cum	66	1.15			2.65	0.15	30.17	
single cap footing	Cum	14	1.15			1.15	0.15	2.78	
for SSM									
Western side	Cum	1	9.80			0.60	0.13	0.74	
	Cum	2	5.10			0.75	0.13	0.96	
Northern side	Cum	1	21.13			0.75	0.13	1.98	
Southern side	Cum	1	31.62			0.75	0.13	2.96	
Eastern side	Cum	1	21.15			0.75	0.13	1.98	

0.125

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Portico allround	Cum	2	5.07			0.75	0.13	0.95	
	Cum	1	7.00			0.75	0.13	0.66	
stub to plinth	Cum	4	6.23			0.75	0.13	2.34	
stub foundation	Cum	10	0.75			0.75	0.13	0.70	
open area	Cum	2	13.27			0.75	0.13	2.49	
	Cum	2	8.26			0.75	0.13	1.55	
or Grade Beam (internal)									
GB1 (230X600)	Cum	1	9.40			0.60	0.15	0.85	
GB2 (230X600)	Cum	1	3.50			0.60	0.15	0.32	
GB3 (230X600)	Cum	1	9.33			0.60	0.15	0.84	
GB4 (230X600)	Cum	1	30.10			0.60	0.15	2.71	
GB5(230X600)	Cum	1	30.10			0.60	0.15	2.71	
GB6 (150X600)	Cum	4	3.30			0.60	0.15	1.19	
GB6A (150X600)	Cum	4	2.00			0.60	0.15	0.72	
GB7 (230X600)	Cum	2	14.64			0.60	0.15	2.64	
GB7A (230X600)	Cum	4	2.10			0.60	0.15	0.76	
GB8 (230X600)	Cum	4	7.56			0.60	0.15	2.72	
GB9 (230X600)	Cum	1	30.10			0.60	0.15	2.71	
GB9A (230X600)	Cum	1	2.51			0.60	0.15	0.23	
GB10 (230X600)	Cum	1	14.54			0.60	0.15	1.31	
GB11 (230X600)	Cum	2	4.99			0.60	0.15	0.90	
GB12 (230X600)	Cum	2	7.56			0.60	0.15	1.36	
GB13 (230X600)	Cum	1	15.49			0.60	0.15	1.39	
GB14 (230X600)	Cum	1	6.97			0.60	0.15	0.63	
GB15 (230X600)	Cum	6	5.27			0.60	0.15	2.85	

0.125

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GB16 (230X600)	Cum	1	2.88			0.60	0.15	0.26	
GB17 (0.15X600)	Cum	12	3.34			0.60	0.15	3.61	
	Cum	4	1.80			0.60	0.15	0.65	
	Cum	1	1.38			0.60	0.15	0.12	
GB18 (230X600)	Cum	12	5.77			0.60	0.15	6.23	
GB19 (230X600)	Cum	1	6.00			0.60	0.15	0.54	
GB20 (230X600)	Cum	1	11.23			0.60	0.15	1.01	
	Cum	1	12.53			0.60	0.15	1.13	
GB21 (230X600)	Cum	1	7.15			0.60	0.15	0.64	
GB22 (230X600)	Cum	2	5.55			0.60	0.15	1.00	
GB23 (230X600)	Cum	2	6.53			0.60	0.15	1.18	
GB23A (230X600)	Cum	2	5.30			0.60	0.15	0.95	
GB24 (230X600)	Cum	2	3.57			0.60	0.15	0.64	
GB25 (230X600)	Cum	1	3.60			0.60	0.15	0.32	
GB26 (230X600)	Cum	1	3.60			0.60	0.15	0.32	
floor concreting	Cum								
A4-A6/A'4-A'6	Cum	1	3.35			1.39	0.10	0.46	
A'4-A'6/C'4-C'6	Cum	1	3.35			4.39	0.10	1.47	
A6-A8/C6-C8	Cum	1	4.15			6.00	0.10	2.49	
A8-A11/C8-C11,	Cum	1	4.15			6.00	0.10	2.49	
A11-A13/C11-C13	Cum	1	4.15			6.00	0.10	2.49	
B13-B'14/C13-C14	Cum	1	4.15			6.00	0.10	2.49	
C6-C8/D6-D8	Cum	1	4.15			6.00	0.10	2.49	
C8-C11/D8-D11	Cum	1	4.15			6.00	0.10	2.49	
C11-C13/D11-D13	Cum	1	4.15			6.00	0.10	2.49	
C1-C5/D1-D5	Cum	1	10.50			6.00	0.10	6.30	

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C14-C17/D14-D17	Cum	1	10.50			6.00	0.10	6.30	
F1-F5/H1-H4	Cum	1	10.50			6.00	0.10	6.30	
F14-F17/H14-H17	Cum	1	10.50			6.00	0.10	6.30	
l-L1-J5-L5 / J14-L14-J17-L17	Cum	1	10.50			6.00	0.10	6.30	
C5-C6/D5-D6	Cum	1	2.10			6.00	0.10	1.26	
C13-C14/D13-D14	Cum	1	2.10			6.00	0.10	1.26	
D1-D5/F1-F5; D14-D17/F14-F17	Cum	2	9.00			3.20	0.10	5.76	
H1-H5/J1-J5;H14-17/J14-J17	Cum	2	9.00			3.20	0.10	5.76	
C5-E6/E13-E14;I5-I6/I13-I14	Cum	2	2.00			7.80	0.10	3.12	
D5-D14/E5-E14	Cum	1	16.66			2.10	0.10	3.50	
I5-I14/J5-J14	Cum	1	17.12			2.10	0.10	3.60	
J5J7/K5-K7;J12-14/K12-K14	Cum	1	3.12			4.76	0.10	1.48	
J7-J11/K7-K11	Cum	1	7.59			3.12	0.10	2.36	
K5-K7/M5-M7;K11-14/M11-M14	Cum	2	4.27			4.59	0.10	3.92	
K7-K12/M7-M12	Cum	1	4.27			7.59	0.10	3.24	
							Total Qty	181.81	
							Deduct paid Qty	174.10	
							Qty Paid on This Bill	**7.71**	

A.E.E (P)
R.R. Nagar

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

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BRUHATH BANGALORE MAHANAGARA PALIKE	
Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar	
MEASUREMENT SHEET	
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o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

em No : 8	Driving cast-in-place vertical R.C.C. 500mm dia. piles with OPC cement design mix M30 @ 360 kgs, CA0.69M3, FA0.46 M3 with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.46 cum, with superplastisiser @ 3 lts conforming to IS 9103-199 Reaffirmed-2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. complete as per the direction of the Engineer in-charge

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
	Mtr								
							Total Qty	1742.15	
							Deduct paid Qty	1312.00	
							Qty Paid on This Bill	**430.15**	
							Upto 125%	**328.00**	
							Above 125%	**102.15**	

A.E.E (P)
R.R. Nagar

Contractor

Assistant Engineer(P)
RR Nagara,BBMP

Consultant Representative

Assistant Exe Engineer(P)
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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

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nderd Amount (Rs)	4,41,02,582.76
ume of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 10	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of Ready Mixed Concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) M30 grade complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
For Grade Beam									
GB1 (230X600)	1	1	17.05			0.23	0.60	2.35	
GB2 (230X600)	1	1	3.72			0.23	0.60	0.51	
GB3 (230X600)	1	1	10.41			0.23	0.60	1.44	
GB4 (230X600)	1	1	39.50			0.23	0.60	5.45	
GB5(230X600)	1	1	39.50			0.23	0.60	5.45	
GB6 (150X600)	1	4	3.70			0.15	0.60	1.33	
GB6A (150X600)	1	4	2.00			0.15	0.60	0.72	
GB7 (230X600)	1	2	18.04			0.23	0.60	4.98	
GB7A (230X600)	1	4	2.10			0.23	0.60	1.16	
GB8 (230X600)	1	4	10.96			0.23	0.60	6.05	
GB9 (230X600)	1	1	39.50			0.23	0.60	5.45	
GB9A (230X600)	1	1	2.51			0.23	0.60	0.35	
GB10 (230X600)	1	1	18.04			0.23	0.60	2.49	
GB11 (230X600)	1	2	5.22			0.23	0.60	1.44	
GB12 (230X600)	1	2	10.96			0.23	0.60	3.02	

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GB13 (230X600)	1	1	18.04			0.23	0.60	2.49	
GB14 (230X600)	1	1	7.82			0.23	0.60	1.08	
GB15 (230X600)	1	6	6.00			0.23	0.60	4.97	
GB16 (230X600)	1	1	3.11			0.23	0.60	0.43	
GB17 (0.15X600)	1	12	3.57			0.15	0.60	3.86	
	1	4	1.80			0.15	0.60	0.65	
	1	1	1.38			0.15	0.60	0.12	
GB18 (230X600)	1	12	6.00			0.23	0.60	9.94	
GB19 (230X600)	1	1	23.82			0.23	0.60	3.29	
GB20 (230X600)	1	1	13.78			0.23	0.60	1.90	
	1	1	14.10			0.23	0.60	1.95	
GB21 (230X600)	1	1	8.03			0.23	0.60	1.11	
GB22 (230X600)	1	2	5.55			0.23	0.60	1.53	
GB23 (230X600)	1	2	7.38			0.23	0.60	2.04	
GB23A (230X600)	1	2	5.30			0.23	0.60	1.46	
GB24 (230X600)	1	2	3.57			0.23	0.60	0.99	
GB25 (230X600)	1	1	4.06			0.23	0.60	0.56	
GB26 (230X600)	1	1	4.06			0.23	0.60	0.56	
COLUMNS:-									
C-10 (230X600)	1	3	0.23			0.60	3.15	1.30	
C-9 (230X600)	1	3	0.23			0.60	3.15	1.30	
C-8 (230X600)	1	5	0.23			0.60	3.15	2.17	
C-7 (230X450)	1	18	0.23			0.45	3.15	5.87	
C-6 (230X450)	1	28	0.23			0.45	3.15	9.13	
C-5 (230X450)	1	9	0.23			0.45	3.15	2.93	
C-4 (230X230)	1	2	0.23			0.23	3.15	0.33	
C-3 (230X230)	1	8	0.23			0.23	3.15	1.33	
C-2 (300 dia)	1	2	3.14*(0.3*0.3)/4				3.15	0.45	
C-1 (300 dia)	1	2	3.14*(0.3*0.3)/4				3.15	0.45	
LINTEL BEAM									
L1 C1D1; H1,J1L1,C17D17,F17H17,J17L17	1	6	6.00			0.23	0.20	1.66	
A1C1	1	1	5.75			0.23	0.20	0.26	
A6A11	1	1	8.50			0.23	0.20	0.39	
A11A13	1	1	2.10			0.23	0.20	0.10	
A1C1	1	1	4.50			0.23	0.20	0.21	
A11C11	1	1	6.00			0.23	0.20	0.28	
A13B13 V1	1	1	0.80			0.23	0.20	0.04	
B15 C15	1	1	3.60			0.23	0.20	0.17	
C1C4	1	2	3.23			0.23	0.20	0.30	
	1	1	3.05			0.23	0.20	0.14	
	1	1	3.34			0.23	0.20	0.15	
C5D5; C6D6; C13D13; C14D14	1	4	5.78			0.23	0.20	1.06	
F1F5 @ DOOR D1	1	2	2.65			0.23	0.20	0.24	

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D6D13	1	3	4.00			0.23	0.20	0.55	
D14D17 @ D1	1	2	2.10			0.23	0.20	0.19	
BATHROOM FOR V1	1	4	3.00			0.23	0.20	0.55	
AT H4 , H14 FOR D1	1	2	2.10			0.23	0.20	0.19	
J1 TO J17 FOR D1 & D2	1	4	2.10			0.23	0.20	0.39	
do FOR W1	1	2	4.76			0.23	0.20	0.44	
D1 at K10	1	2	2.10			0.23	0.20	0.19	
AT CLINIC W1	1	1	2.20			0.23	0.20	0.10	
AT WARDEN W1	1	1	2.20			0.23	0.20	0.10	
ENTRANCE LOBBY	1	1	6.85			0.23	0.20	0.32	
L1L4,L14L17 FOR W1	1	2	10.50			0.23	0.20	0.97	
STAIRCASE									
Foundation Beam	1	1	1.20			0.30	0.45	0.16	
Waist Slab 1st	1	1	1.20			3.05	0.18	0.64	
Waist Slab 2nd	1	1	1.20			1.67	0.18	0.35	
landing 1st	1	1	1.20			1.20	0.18	0.25	
landing 2nd	1	1	1.20			1.20	0.18	0.25	
steps	1	14	1.20			1/2*0.15*0.30		0.38	
for retaining wall vertical	Cum	1	91.70			0.20	3.20	58.69	
Compound plinth beam	Cum	1	54.70			0.23	0.40	5.03	
Compound - columns	Cum	21	0.23			0.30	2.00	2.90	
ROOF BEAM Concrete	Cum								
IB1 (230X450)	Cum	1	17.10			0.23	0.30	1.18	
IB2 (230X450)	Cum	1	3.97			0.23	0.30	0.27	
IB3 (230X450)	Cum	1	10.40			0.23	0.30	0.72	
IB4 (230X450)	Cum	1	39.53			0.23	0.30	2.73	
IB5 (230X450)	Cum	1	39.53			0.23	0.30	2.73	
IB7 (230X450)	Cum	2	18.06			0.23	0.30	2.49	
GB8 (230X450)	Cum	2	13.32			0.23	0.30	1.84	
GB8A(230X450))	Cum	2	10.73			0.23	0.30	1.48	
GB9 (230X450)	Cum	1	2.17			0.23	0.30	0.15	
GB9A (230X450)	Cum	1	2.17			0.23	0.30	0.15	
GB 10 (230X450)	Cum	1	39.53			0.23	0.30	2.73	

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GB 11 (230X450)	Cum	1	18.03			0.23	0.30	1.24	
IB 12	Cum	2	5.22			0.23	0.30	0.72	
GB 13 (230X600)	Cum	1	10.96			0.23	0.45	1.13	
GB 13A (230X600)	Cum	1	11.17			0.23	0.45	1.16	
GB 14 (230X450)	Cum	1	18.03			0.23	0.30	1.24	
IB 15 PORTICO	Cum	1	8.04			0.23	0.30	0.55	
IB 16	Cum	6	6.46			0.23	0.45	4.01	
IB17	Cum	8	3.12			0.23	0.30	1.72	
IB18	Cum	8	3.12			0.23	0.30	1.72	
IB 19	Cum	12	6.00			0.23	0.45	7.45	
IB 20	Cum	1	7.80			0.23	0.45	0.81	
IB21	Cum	2	28.84			0.23	0.45	5.97	
IB 22	Cum	10	2.31			0.23	0.30	1.59	
IB 23	Cum	1	7.80			0.23	0.30	0.54	
IB24	Cum	1	11.77			0.23	0.45	1.22	
IB 25 - 27 PORTICO	Cum	4	12.66			0.23	0.45	5.24	
IB 28	Cum	1	14.11			0.23	0.45	1.46	
IB 29	Cum	1	14.11			0.23	0.45	1.46	
IB 30	Cum	1	11.78			0.23	0.45	1.22	
IB30A	Cum	1	3.60			0.23	0.45	0.37	
IB 31	Cum	1	9.60			0.23	0.45	0.99	
First floor									
roof beam	Cum	2	4.06			0.23	0.45	0.84	
	Cum	2	6.02			0.23	0.45	1.25	
Roof area measurement									

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Roof area	Cum	1	39.51			33.45	0.15	198.24	
Portico	Cum	1	5.50			8.05	0.15	6.64	
Deduct									
Bathroom offsets	Cum	-4	0.68			3.11	0.15	-1.27	
open to sky	Cum	-1	8.03			12.92	0.15	-15.56	
front offset	Cum	-2	1.39			10.50	0.15	-4.36	
at SW corners	Cum	-1	9.33			6.00	0.15	-8.40	
at NW corners	Cum	-1	2.17			5.79	0.15	-1.88	
	Cum	-1	3.60			7.26	0.15	-3.92	
staircase	Cum	-1	3.92			3.60	0.15	-2.12	
								411.77	
staircase									
Waist Slab 3rd	1	1	1.20				0.18	0.64	
steps	0.5	10	1.20			3.05	0.15	5.42	
First Floor slab	1	1	4.06			6.02	0.15	3.67	
							Total Qty	421.49	
							Deduct paid Qty	377.66	
							Qty Paid on This Bill	**43.83**	

A.E.E (P)
R.R. Naga

Contractor

VALLEY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

Scanned by TapScanner

BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
ob Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

em No : 11	Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) M-25 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel, fabrication charges and plastering.) complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Raft	Cum	1	6.70			4.35	0.30	8.74	
RCC Walls									
Long walls	Cum	2	6.10			0.23	2.40	6.73	
Short walls	Cum	2	3.30			0.23	2.40	3.64	
Sump tank Roof	Cum	1	6.10			3.75	0.30	6.86	
for Retaining Wall- Raft	Cum	1	91.70			2.20	0.40	80.70	
pillar-foooting	Cum	21	1.50			1.50	0.40	18.90	
RCC Drain	Cum	1	44.00			0.90	0.15	5.94	

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sides	Cum	2	44.00			0.15	0.80	10.56	
							Total Qty	142.08	
							Deduct paid Qty	81.76	
							Qty Paid on This Bill	**60.32**	
							Upto 125%	**20.44**	
							Above 125%	**39.88**	

A.E.E (P)
R.R. Nagar

Contractor

QUALITY CONSULTANTS & ENGINEERS CIVIL Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

Scanned by TapScanner

BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

ME OF WORK: Construction of Old age homes and other buildings in JP PARK rd No.17.

timate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 13	Providing and laying in position Plain Cement Concrete of Mix 1:4:8 with OPC cement @ 180kgs, with 40mm & down size graded granite metal coarse aggregates @ 0.85 cum & fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specification complete as per the direction of the Engineer in-charge.

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
PCC FOR RETAINING WALL	Cum	1	91.70			2.60	0.15	35.76	
pillar-foooting	Cum	21	1.80			1.80	0.15	10.21	
for compd foundation	Cum	1	16.90			0.75	0.15	1.90	

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RCC Drain	Cum	1	44.00			0.90	0.15	5.94	
							Total Qty	53.81	
							Deduct paid Qty	47.87	
							Qty Paid on This Bill	**5.94**	

A.E.E (P)
R.R. Nagar

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
S No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
ume of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Foundations, footings , bases of columns for mass concrete including cost of all materials, labour complete as per specifications. complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
SUMP :-For Bed concrete shuttering	Sqm	2	6.70				0.15	2.01	
	Sqm	2	4.35				0.15	1.31	
For Raft concrete shuttering	Sqm	2	6.70				0.30	4.02	
	Sqm	2	4.35				0.30	2.61	
PCC for pile cap	Sqm								
Double pile footing	Sqm	66	7.60				0.15	75.24	
single cap footing	Sqm	14	4.40				0.15	9.24	
Pile cap shuttering	Sqm								

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Double pile footing	Sqm	66	6.40				0.50	211.20	
single cap footing	Sqm	14	3.40				0.50	23.80	
RETAINING WALL									
Raft	Sqm	2	91.70				0.45	82.53	
	Sqm	2	2.60				0.45	2.34	
vertical wall	Sqm	2	91.70				3.20	586.88	
pillar-foooting -PCC sides	Sqm	21	7.20				0.15	22.68	
pillar-foooting concrete	Sqm	21	6.00				0.35	44.10	
RCC BOX DRAIN	Sqm	4	44.00				0.75	132.00	
							Total Qty	1199.96	
							Deduct paid Qty	414.85	
							Qty Paid on This Bill	**785.10**	
							Upto 125%	**103.73**	
							Above 125%	**681.37**	

A.E.E (P)
R.R. Nagara

Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides & soffits of Beams, beam haunchings, cantilever girders, bressumers & Lintels & not exceeding 1.0 m in depth including cost of all materials, labour complete as per specifications.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
For Grade Beam									
GB1 (230X600)	2	1	17.05				0.60	20.46	
GB2 (230X600)	2	1	3.72				0.60	4.46	
GB3 (230X600)	2	1	10.41				0.60	12.49	
GB4 (230X600)	2	1	39.50				0.60	47.40	
GB5(230X600)	2	1	39.50				0.60	47.40	
GB6 (150X600)	2	4	3.70				0.60	17.76	
GB6A (150X600)	2	4	2.00				0.60	9.60	
GB7 (230X600)	2	2	18.04				0.60	43.30	
GB7A (230X600)	2	4	2.10				0.60	10.08	
GB8 (230X600)	2	4	10.96				0.60	52.61	
GB9 (230X600)	2	1	39.50				0.60	47.40	
GB9A (230X600)	2	1	2.51				0.60	3.01	
GB10 (230X600)	2	1	18.04				0.60	21.65	
GB11 (230X600)	2	2	5.22				0.60	12.53	
GB12 (230X600)	2	2	10.96				0.60	26.30	

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GB13 (230X600)	2	1	18.04				0.60	21.65	
GB14 (230X600)	2	1	7.82				0.60	9.38	
GB15 (230X600)	2	6	6.00				0.60	43.20	
GB16 (230X600)	2	1	3.11				0.60	3.73	
GB17 (0.15X600)	2	12	3.57				0.60	51.41	
	2	4	1.80				0.60	8.64	
	2	1	1.38				0.60	1.66	
GB18 (230X600)	2	12	6.00				0.60	86.40	
GB19 (230X600)	2	1	23.82				0.60	28.58	
GB20 (230X600)	2	1	13.78				0.60	16.54	
	2	1	14.10				0.60	16.92	
GB21 (230X600)	2	1	8.03				0.60	9.64	
GB22 (230X600)	2	2	5.55				0.60	13.32	
GB23 (230X600)	2	2	7.38				0.60	17.71	
GB23A (230X600)	2	2	5.30				0.60	12.72	
GB24 (230X600)	2	2	3.57				0.60	8.57	
GB25 (230X600)	2	1	4.06				0.60	4.87	
GB26 (230X600)	2	1	4.06				0.60	4.87	
LINTELS	no	no side	L				W		
L1 C1D1; H1,J1L1,C17D17,F17H17,J17L17	2	6	6.00				0.20	14.40	
A1C1	2	1	5.75				0.20	2.30	
A6A11	2	1	8.50				0.20	3.40	
A11A13	2	1	2.10				0.20	0.84	
A1C1	2	1	4.50				0.20	1.80	
A11C11	2	1	6.00				0.20	2.40	
A13B13 V1	2	1	0.80				0.20	0.32	
B15 C15	2	1	3.60				0.20	1.44	
C1C4	2	2	3.23				0.20	2.58	
	2	1	3.05				0.20	1.22	
	2	1	3.34				0.20	1.34	
C5D5; C6D6; C13D13; C14D14	2	4	5.78				0.20	9.25	
F1F5 @ DOOR D1	2	2	2.65				0.20	2.12	
D6D13	2	3	4.00				0.20	4.80	
D14D17 @ D1	2	2	2.10				0.20	1.68	
BATHROOM FOR V1	2	4	3.00				0.20	4.80	
AT H4 , H14 FOR D1	2	2	2.10				0.20	1.68	
J1 TO J17 FOR D1 & D2	2	4	2.10				0.20	3.36	
do FOR W1	2	2	4.76				0.20	3.81	
D1 at K10	2	2	2.10				0.20	1.68	
AT CLINIC W1	2	1	2.20				0.20	0.88	
AT WARDEN W1	2	1	2.20				0.20	0.88	
ENTRANCE LOBBY	2	1	6.85				0.20	2.74	
L1L4,L14L17 FOR W1	2	2	10.50				0.20	8.40	

A.E.E (P)
Nagar

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ROOF BEAM									
IB1 (230X450)	1	1	17.11				0.45	7.70	
	1	1	15.74				0.45	7.08	
IB2 (230X450)	2	1	3.50				0.45	3.15	
IB3 (230X450)	2	1	4.15				0.45	3.74	
	1	1	5.45				0.45	2.45	
	1	1	2.10				0.45	0.95	
	1	1	3.23				0.45	1.45	
IB4 (230X450)	1	1	9.55				0.45	4.30	
	1	3	3.23				0.45	4.36	
	2	1	2.22				0.45	2.00	
	2	2	3.67				0.45	6.61	
	2	1	3.93				0.45	3.54	
	2	1	2.10				0.45	1.89	
	2	1	2.86				0.45	2.57	
	1	1	7.60				0.45	3.42	
	1	1	3.45				0.45	1.55	
	1	1	3.34				0.45	1.50	
	2	4	3.23				0.45	11.63	
	2	1	3.12				0.45	2.81	
	2	2	4.04				0.45	7.27	
	2	1	3.93				0.45	3.54	
	2	1	3.35				0.45	3.02	
	2	2	2.10				0.45	3.78	
	2	1	3.35				0.45	3.02	
IB5 (230X450)	1	1	9.55				0.45	4.30	
	1	3	3.23				0.45	4.36	
	2	1	2.22				0.45	2.00	
	2	2	3.67				0.45	6.61	
	2	1	3.93				0.45	3.54	
	2	1	2.10				0.45	1.89	
	2	1	2.86				0.45	2.57	
	1	1	7.60				0.45	3.42	
	1	1	3.45				0.45	1.55	
	1	1	3.34				0.45	1.50	
	2	4	3.23				0.45	11.63	
	2	1	3.12				0.45	2.81	
	2	2	4.04				0.45	7.27	
	2	1	3.93				0.45	3.54	
	2	1	3.35				0.45	3.02	
	2	2	2.10				0.45	3.78	
	2	1	3.35				0.45	3.02	
IB7 (230X450)	1	4	6.48				0.45	11.66	
	1	2	4.15				0.45	3.74	
	1	4	2.10				0.45	3.78	
	1	2	12.92				0.45	11.63	
IB8 (230X450)	1	2	8.18				0.45	7.36	

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	1	2	2.77				0.45	2.49	
	2	2	3.23				0.45	5.81	
	1	2	3.12				0.45	2.81	
IB8A (230X450))	1	1	10.73				0.45	4.83	
	3	2	3.23				0.45	8.72	
	1	1	3.24				0.45	1.46	
	1	1	2.65				0.45	1.19	
	1	1	1.93				0.45	0.87	
	1	1	1.12				0.45	0.50	
	1	1	4.11				0.45	1.85	
IB9 & 9A (230X450)	2	2	2.10				0.45	3.78	
IB 10 (230X450)	2	1	10.73				0.45	9.66	
	2	1	6.48				0.45	5.83	
	1	1	3.80				0.45	1.71	
	5	1	3.23				0.45	7.27	
	1	1	3.12				0.45	1.40	
	2	1	4.76				0.45	4.28	
	1	1	2.75				0.45	1.24	
	1	1	2.63				0.45	1.18	
	1	1	2.10				0.45	0.95	
IB 11 (230X450)	1	1	6.48				0.45	2.92	
	1	1	4.76				0.45	2.14	
	1	1	2.75				0.45	1.24	
	1	1	2.10				0.45	0.95	
	1	2	2.63				0.45	2.37	
	1	3	2.10				0.45	2.84	
	1	2	2.43				0.45	2.19	
	1	1	2.75				0.45	1.24	
IB 12	2	1	2.43				0.45	2.19	
	2	1	2.10				0.45	1.89	
B 13 & 13A (230X600)	1	2	10.73				0.60	12.88	
	3	1	3.23				0.60	5.81	
	2	1	3.23				0.60	3.88	
	1	1	3.12				0.60	1.87	
4 (230X450) BOTTOM	1	2	4.99				0.45	4.49	
for sides	1	2	4.99				0.45	4.49	
	2	2	2.75				0.45	4.95	
	2	2	2.10				0.45	3.78	
	2	2	2.63				0.45	4.73	
IB 15 PORTICO	1	1	7.80				0.23	1.79	
	1	1	7.80				0.60	4.68	
	2	1	2.51				0.60	3.01	
	1	1	2.10				0.60	1.26	
18A & 15B (150X450)	2	5	1.52				0.45	6.84	
	1	5	1.52				0.23	1.75	

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IB 16	2	6	6.00				0.60	43.20	
IB17	2	8	3.11				0.45	22.39	
	1	8	3.11				0.23	5.72	
IB18	1	8	3.11				0.15	3.73	
	2	8	3.11				0.23	11.44	
IB 19	2	12	6.00				0.60	86.40	
IB 20 bottom	2	1	3.90				0.23	1.79	
IB 20	1	1	8.03				0.60	4.82	
	2	1	3.90				0.60	4.68	
IB21	1	2	6.00				0.60	7.20	
	1	2	1.73				0.60	2.08	
	1	2	3.11				0.60	3.73	
	2	2	2.10				0.60	5.04	
	2	2	3.11				0.60	7.46	
	2	2	3.90				0.60	9.36	
	1	2	6.00				0.60	7.20	
	2	2	6.00				0.60	14.40	
IB 22	2	10	0.56				0.45	5.04	
	2	2	0.68				0.45	1.22	
	12	2	2.31				0.45	24.95	
	1	2	1.38				0.45	1.24	
IB 23 bottom	2	1	2.89				0.23	1.33	
	2	2	2.89				0.45	5.20	
IB24	3	1	6.00				0.60	10.80	
	1	1	4.40				0.60	2.64	
	1	1	2.17				0.60	1.30	
IB 25 - 27 PORTICO	1	4	5.27				0.23	4.85	
	2	4	5.27				0.60	25.30	
IB25 & 27VERTICAL	2	2	4.27				0.60	10.25	
	1	2	4.27				0.60	5.12	
	2	2	3.11				0.60	7.46	
	1	2	3.11				0.60	3.73	
	1	2	1.73				0.60	2.08	
	1	2	1.38				0.60	1.66	
IB 26, IB 28, IB 29	1	4	2.10				0.23	1.93	
	2	4	2.10				0.60	10.08	
IB 28	4	1	6.00				0.60	14.40	
IB 29	3	1	6.00				0.60	10.80	
	2	1	3.60				0.60	4.32	
	2	1	2.17				0.60	2.60	
IB 30	2	1	6.00				0.60	7.20	
	2	1	3.60				0.60	4.32	
	2	1	2.17				0.60	2.60	
IB30A	1	1	3.60				0.23	0.83	
	2	1	3.60				0.45	3.24	
IB 31	1	1	6.00				0.23	1.38	
	2	1	6.00				0.60	7.20	

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	2	1	3.60				0.60	4.32	
First floor	2	1	5.97				0.23	2.75	
	2	2	6.20				0.45	11.16	
	2	1	4.06				0.45	3.65	
								Total Qty	1614.26
								Deduct paid Qty	1395.34
								Qty Paid on This Bill	**218.92**

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Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

ME OF WORK: Construction of Old age homes and other buildings in JP PARK d No.17.

mate Cost	500.00Lakhs
Code No	017-19-000016 (P-3494)
No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
erd Amount (Rs)	4,41,02,582.76
e of the agency:	K R GOVINDARAJU.
No :	3rd and part Bill.

Description

n No : 18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Flat surface such as suspended floors,roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50mtrs.

surement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
p Tank Roof centering	Sqm	1	5.64				3.29	18.56	
sides allround	Sqm	1	19.70				0.30	5.91	
roof area	Sqm	1	39.51				33.45	1321.61	
Portico	Sqm	1	5.50				8.05	44.28	
First floor slab	Sqm	1	6.02				4.06	24.44	
Deduct(-)	Sqm	4	0.68				3.12	-8.49	
open to sky	Sqm	1	8.03				12.92	-103.75	
staircase	Sqm	1	3.92				3.60	-14.11	

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front offset	Sqm	2	1.39				10.50	-29.09	
front offset	Sqm	1	9.33				6.00	-55.98	
at SW corners	Sqm	1	2.17				5.79	-12.56	
	Sqm	1	3.60				7.26	-26.14	
								Total Qty	1164.68
								Deduct paid Qty	1079.08
								Qty Paid on This Bill	**85.60**

A.E.E (P)
R.R. Naga

Contractor

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

timate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
derd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
l No :	3rd and part Bill.

Description

m No : 22	Providing and removing centering, shuttering, strutting, propping etc., for Chajjas, corbels of all shapes & sizes, at all elevations & heights. complete as per the direction of the Engineer in-charge.

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
for chejjas	Sqm	26	2.10				0.60	32.76	
V1	Sqm	4	3.10				0.60	7.44	
V2	Sqm	1	0.90				0.60	0.54	
							Total Qty	40.74	
							Deduct paid Qty	40.30	
							Qty Paid on This Bill	**0.44**	

A.E.E (P)
R.R. Nagar

Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
s No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
s No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 24	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary, complete as per design (laps, hooks and wastage shall not be measured and paid) cost of all materials, labour, HOM of machineries etc., complete as per specifications. complete as per the direction of the Engineer in-charge. For columns, beams, sump tank, roof slab, misc. works

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
l & Part bill Qty Item No.28								59.59	
	MT								
							Total Qty	59.59	
							Deduct paid Qty	54.73	
							Qty Paid on This Bill	**4.86**	

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Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

NAME OF WORK: Construction of Old age homes and other buildings in JP PARK ward No.17.

Estimate Cost	500.00Lakhs
Job Code No	017-19-000016 (P-3494)
AS No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
TS No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
Ag No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
Wo No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
Tenderd Amount (Rs)	4,41,02,582.76
Name of the agency:	K R GOVINDARAJU.
Bill No :	3rd and part Bill.

Description

Item No : 25	Providing and placing un-coated TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position of lappingand/ or welding wherever reqd,tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (flats, hooks, & wastages shall not be measured and paid) including cost of all materials, labour, HOM of machineries etc., complete as per specifications. complete as per the direction of the Engineer in-charge

Measurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
st & Part bill Qty Item No.29								41.37	
	MT								
							Total Qty	41.37	A.E.E (P) R.R. Nagar
							Deduct paid Qty	38.97	
							Qty Paid on This Bill	**2.40**	

Contractor

Bangalore

Consultant Representative

B.K. Ramakrishna
Assistant Engineer(P)
RR Nagara,BBMP

B.K. Ramakrishna
Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

ME OF WORK: Construction of Old age homes and other buildings in JP PARK rd No.17.

timate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
derd Amount (Rs)	4,41,02,582.76
ne of the agency:	K R GOVINDARAJU.
l No :	3rd and part Bill.

Description

m No : 26	Providing and constructing granite/basalt size stone masonry in basement with cement mortar 1:6; edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2mts apart in each course including cost of materials, labour, curing, complete as per specifications.

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
for SSM									
Western exterior side	Cum	1	9.80			0.60	0.45	2.65	
	Cum	1	9.80			0.45	0.45	1.98	
	Cum	2	5.10			0.60	0.45	2.75	
	Cum	2	5.10			0.45	0.45	2.07	
Northern side (exterior)	Cum	1	21.13			0.60	0.45	5.71	
	Cum	1	21.13			0.45	0.45	4.28	
	Cum	1	3.00			0.60	0.45	0.81	
	Cum	1	3.00			0.45	0.45	0.61	

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Southern side(exterior)	Cum	1	31.62			0.60	0.45	8.54	
	Cum	1	31.62			0.45	0.45	6.40	
Eastern side (exterior)	Cum	1	21.15			0.60	0.45	5.71	
	Cum	1	21.15			0.45	0.45	4.28	
	Cum	1	4.53			0.60	0.45	1.22	
	Cum	1	4.53			0.45	0.45	0.92	
Portico allround	Cum	2	5.07			0.60	0.45	2.74	
	Cum	2	5.07			0.45	0.45	2.05	
	Cum	1	7.00			0.60	0.45	1.89	
	Cum	1	7.00			0.45	0.45	1.42	
at receeption sides	Cum	2	4.15			0.60	0.45	2.24	
	Cum	2	4.15			4.50	0.45	16.81	
stub to plinth	Cum	4	6.23			0.60	0.45	6.73	
	Cum	4	6.23			0.45	0.45	5.05	
	Cum	1	4.15			0.60	0.45	1.12	
	Cum	1	4.15			0.45	0.45	0.84	

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Stub foundation	Cum	11	0.60			0.60	0.60	2.38	
Open area (centre court)	Cum	2	14.17			0.60	0.45	7.65	
	Cum	2	14.17			0.45	0.45	5.74	
	Cum	2	8.26			0.60	0.45	4.46	
	Cum	2	8.26			0.45	0.45	3.35	
compound wall S/side	Cum	1	23.20			0.45	0.45	4.70	
							Total Qty	117.08	
							Deduct paid Qty	105.00	
							Qty Paid on This Bill	**12.08**	

A.E.E (P)
R.R. Nagar

QUALITY CONSULTANTS & ENGINEERS Bangalore

Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
s No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
s No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
ll No :	3rd and part Bill.

Description

em No : 28	Providing and constructing Burnt Brick Masonry with approved quality of modular bricks of standard size of class designation 5.0 newton per sq mm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. GROUND FLOOR

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
A4-A13	1	1	3.50			3.15	0.23	2.54	
	2	1	8.53			3.15	0.23	12.36	
	1	1	4.15			3.15	0.23	3.01	
A'4 - A'6	1	1	3.50			3.15	0.23	2.54	
B11-B15	1	1	4.15			3.15	0.23	3.01	
	1	1	5.57			3.15	0.23	4.04	
C1 C17	1	1	9.45			3.15	0.23	6.85	
	1	1	11.28			3.15	0.23	8.17	
	1	1	9.45			3.15	0.23	6.85	
D1-D17	1	1	9.60			3.15	0.23	6.96	
	2	1	12.02			3.15	0.23	17.42	
	1	1	9.60			3.15	0.23	6.96	
F1-F5	1	1	9.60			3.15	0.23	6.96	
F14-F17	2	1	9.60			3.15	0.23	13.91	
H1-H5	1	1	9.60			3.15	0.23	6.96	

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H14-H17	2	1	9.60			3.15	0.23	13.91	
J1-J5	1	1	9.60			3.15	0.23	6.96	
J14-J17	1	1	9.60			3.15	0.23	6.96	
L1-L5	1	1	9.60			3.15	0.23	6.62	
L14-L17	1	1	9.60			3.00	0.23	6.62	
J5-J14	2	1	4.76			3.00	0.23	6.90	
	2	1	2.37			3.15	0.23	3.43	
K7-K14	2	1	2.37			3.15	0.23	3.43	
K'5-K'14	2	1	4.76			3.15	0.23	6.90	
L7-L12	1	1	7.59			3.15	0.23	5.50	
A4-C4; A6-C6; A11-C11; A13-C13	4	1	5.78			3.15	0.23	16.75	
A15-C15	1	1	3.60			3.15	0.23	2.61	
C1D1;F1H1;J1L1	3	1	7.59			3.15	0.23	15.71	
C17D17;F17H17;J17L17	3	1	6.00			3.00	0.23	12.42	
C5D5; C6D6; C13D13;C14D14	4	1	6.00			3.00	0.23	17.39	
F5H5; F14C14	2	1	5.56			3.15	0.23	8.06	
J5L5; J14L14	2	1	5.56			3.15	0.23	8.06	
J7M7;J12M12	2	2	7.38			3.15	0.23	21.39	
INSIDE BATHROOM 230mm wall	4	1	0.87			3.15	0.23	2.51	
	2	1	1.25			3.15	0.23	1.81	
	2	1	3.11			3.15	0.23	4.51	
								286.93	
Deductions:-									
MD	1	1	2.10				0.23	1.16	
D1-D17	17	1	1.20			2.40	0.23	11.26	
D2	2	1	0.90			2.40	0.23	0.87	

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D3	25	1	0.75			2.10	0.23	9.06	
C G	1	1	2.00			2.10	0.23	0.97	
W	3	1	2.00			2.10	0.23	2.07	
W1	36	1	1.80			1.50	0.23	22.36	
SW	2	1	1.00			1.50	0.23	0.69	
V	6	1	1.50			1.50	0.23	1.24	
V1	1	1	1.00			0.60	0.23	0.14	
V2	25	1	0.75			0.60	0.23	2.59	
Lintel qty vide Lintel qty item 13						0.60		8.98	
	Cum							61.38	
							Total Qty	225.55	
							Deduct paid Qty	217.00	
							Qty Paid on This Bill	**8.55**	

A.E.E (P)
R.R. Nagar

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
ob Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
enderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

em No : 30	Construction of partition wall 11.2 cms thick with non modular ground moulded burnt bricks of class designation with cement mortar 1:4 including providing and fixing plaster mesh manufactured out of hot dipped galvanised iron of nominal thickness 0.35 mm. 100 mm. wide as per I.S. 2212/1991 at 7.5 m. c/c including cost of materials, labour charges, scaffolding, curing complete as per specifications. complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Inside baghroom partition walls									
	36	1	1.50				3.45	186.30	
	7	1	1.32				3.45	31.88	
	2	1	1.84				3.45	12.70	
	7	1	2.11				3.45	50.96	

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	1	1	2.61				3.45	9.00	
Deduct:- D3	-25	1	0.75				2.10	-39.38	
							Total Qty	251.46	
							Deduct paid Qty	132.00	
							Qty Paid on This Bill	**119.46**	
							Upto 125%	**33.00**	
							Above 125%	**86.46**	

A.E.E (P)
R.R. Nagar

Contractor

QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

ME OF WORK: Construction of Old age homes and other buildings in JP PARK ward .17.

timate Cost	500.00Lakhs
b Code No	017-19-000016 (P-3494)
No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
) No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
me of the agency:	K R GOVINDARAJU.
l No :	3rd and part Bill.

Description

:m No : 32	Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to ceiling including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.

asurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Dormitary	Sqm	4	10.50				6.00	252.00	
TV Room	Sqm	1	10.50				6.00	63.00	
Library	Sqm	1	10.50				6.00	63.00	
Reception	Sqm	1	7.59				4.27	32.41	
Office	Sqm	1	2.51				3.12	7.83	
Office passage	Sqm	1	3.58				2.10	7.52	
Office toilet	Sqm	1	2.51				3.12	7.83	
Clinic	Sqm	1	4.75				3.12	14.82	

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Clinic Passage	Sqm	1	2.65				1.96	5.19	
Clinic toilet	Sqm	1	2.00				1.84	3.68	
Warden Room	Sqm	1	4.76				3.12	14.85	
Warden Room Passage	Sqm	1	2.65				1.96	5.19	
Warden room toilet	Sqm	1	2.00				1.84	3.68	
Dining Hall	Sqm	1	12.92				6.00	77.52	
Serving counter	Sqm	1	4.15				3.83	15.91	
kitchen	Sqm	1	6.00				8.53	51.18	
storage	Sqm	1	4.15				3.83	15.91	
Utility	Sqm	1	3.50				4.38	15.33	
Utility toilet	Sqm	1	2.00				1.50	3.00	
Dormitory Toilets	Sqm	4	6.94				3.12	86.6	
Corrider area	Sqm	2	12.69				2.10	53.30	
	Sqm	2	13.38				2.10	56.20	
	Sqm	4	2.88				3.12	35.94	
utility passage	Sqm	2	2.10				6.46	27.13	
aircase waist slab bottom	Sqm	1	8.60				1.20	10.32	
sides	Sqm	1	8.60				0.30	2.58	
Beam sides	Sqm	2	8.49				0.68	11.55	
	Sqm	2	13.38				0.68	18.20	
	2	10	2.10				0.68	28.56	
portico	Sqm	1	7.59				5.27	40.00	
beams sides	Sqm	6	5.27				1.13	35.73	
beam bottom	Sqm	4	5.50				0.23	5.06	

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	Sqm	1	8.05				0.23	1.85	
Dormitory									
Dining/Reading/TV room-Beams	7	2	6.00				0.45	37.80	
kitchen	1	2	6.00				0.45	5.40	
sump tank ceiling		1	6.10				3.75	22.88	
							Total Qty	1138.96	
							Qty Paid on This Bill	**1138.96**	

Contractor

CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
ob Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
nderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

em No : 33	Providing 15mm thick cement plaster in single coat with cement mortor 1:3, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(internal) complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Dormitary	Sqm	4	33.00				3.45	455.40	
TV Room	Sqm	1	33.00				3.45	113.85	
Library	Sqm	1	33.00				3.45	113.85	
Reception	Sqm	1	23.72				3.45	81.83	
Office	Sqm	1	11.26				3.45	38.85	
Office passage	Sqm	1	11.35				3.45	39.16	
Office toilet	Sqm	2	4.80				3.45	33.12	

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Office toilet passage	Sqm	1	8.63				3.45	29.77	
Clinic	Sqm	1	19.50				3.45	67.28	
Clinic toilet	Sqm	1	7.54				3.45	26.01	
Warden Room	Sqm	1	15.76				3.45	54.37	
Warden Room Passage	Sqm	1	6.23				3.45	21.49	
Warden room toilet	Sqm	1	7.54				3.45	26.01	
Dining Hall	Sqm	1	37.34				3.45	128.82	
Serving counter	Sqm	1	13.85				3.45	47.78	
kitchen	Sqm	1	29.49				3.45	101.74	
storage	Sqm	1	13.33				3.45	45.99	
Utility	Sqm	1	16.91				3.45	58.34	
Utility toilet	Sqm	1	7.00				3.45	24.15	
Dormitory toilets	Sqm	8	7.00				3.45	193.20	
WC	Sqm	12	5.40				3.45	223.56	
								1924.58	
Deductions:-									
Entrance door	0.5	1	2.10				2.40	2.52	
D1	0.5	7	1.20				2.10	8.82	
D2	0.5	2	0.90				2.10	1.89	

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	W1	0.5	29	2.60			2.10	79.17	
	V1	0.5	29	1.80			0.75	19.58	
	D2	1	25	0.90			2.10	47.25	
								159.23	
								1765.36	
Deduct rough plastering:-item 44 for internal plastering								-803.74	
							Total Qty	961.62	
							Qty Paid on This Bill	**961.62**	

Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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BRUHATH BANGALORE MAHANAGARA PALIKE

Assistant Executive Engineer(Project Division), RajaRajeshwari Nagar

MEASUREMENT SHEET

AME OF WORK: Construction of Old age homes and other buildings in JP PARK ard No.17.

stimate Cost	500.00Lakhs
ob Code No	017-19-000016 (P-3494)
S No & Date	EE(P)/RRN/AS No/12/2019-20 Date :-13.02.2020
S No & Date	CE/RRN/Ts No.09/2020-21 Date:-15-05-2020.
g No & Date	EE(P)/RRN/AG No/48/2020-21 Date :-25.02.2021
/o No & Date	EE(P)/RRN/WO No/58/2020-21 Date :-02.03.2021
enderd Amount (Rs)	4,41,02,582.76
ame of the agency:	K R GOVINDARAJU.
ill No :	3rd and part Bill.

Description

tem No : 34	Providing rough cement plastering 15 mm thick in single coat with cement mortor 1:6, to brick masanary for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. complete as per the direction of the Engineer in-charge.

easurement Recorded on:-

Particulars	Unit	No	L (m)	B1	B2	(B1+B2)/ 2	D (m)	Qty	Remarks
1	2	3	4	5	6	7	8	9	10
Front elevation	Sqm	1	8.05				3.15	25.36	
Office toilet(WC)	Sqm	2	4.80				2.10	20.16	
washbasin area	Sqm	1	8.12				2.10	17.05	
clinic	Sqm	2	4.75				1.50	14.25	
	Sqm	1	3.10				1.50	4.65	
	Sqm	1	5.06				1.50	7.59	
	Sqm	2	1.95				1.50	5.85	
Clinic toilet	Sqm	2	1.84				2.10	7.73	
	Sqm	2	2.00				2.10	8.40	

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Warden room toilet	Sqm	1	7.68				2.10	16.13	
Dormitory toilet	Sqm								
Bath	Sqm	8	7.00				2.10	117.60	
WC	Sqm	12	5.40				2.10	136.08	
Bathroom Corrdior portion	Sqm	4	11.00				2.10	92.40	
Wash basin area	Sqm	4	9.09				2.10	76.36	
Entrance	Sqm	1	8.05				2.10	16.91	
Diniing Hall	Sqm	2	12.92				1.50	38.76	
	Sqm	1	10.00				1.50	15.00	
	Sqm	1	6.00				1.50	9.00	
Serving counter	Sqm	1	4.15				1.50	6.23	
	Sqm	1	3.83				1.50	5.75	
	Sqm	1	2.00				1.50	3.00	
Kitchen	Sqm	2	6.00				1.50	18.00	
	Sqm	2	8.53				1.50	25.59	
storage	Sqm	2	4.15				1.50	12.46	
	Sqm	2	2.17				1.50	6.51	
Utility	Sqm	1	1.39				1.50	2.08	
	Sqm	2	3.12				1.50	9.36	
	Sqm	2	4.39				1.50	13.16	
	Sqm	1	1.40				1.50	2.10	
Utility toilet	Sqm	1	7.00				2.10	14.70	
Utility passage	Sqm	4	6.46				1.50	38.76	
Dormitary entrance area	Sqm	4	6.50				1.50	39.00	
Garden passage area	Sqm	1	13.30				1.50	19.95	

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	Sqm	1	17.60				1.50	26.40	
	Sqm	2	6.46				1.50	19.38	
Door floor skriting	Sqm	8	1.20				0.23	2.21	
								893.89	
Deductions:-									
Half deductions in external plastering									
Entrance door	0.5	1	2.10				2.40	2.52	
D1	0.5	9	1.20				1.50	8.10	
D2	0.5	2	0.90				1.50	1.35	
D3	0.5	15	1.80				0.60	8.10	
							Total deduction for external plastering	**20.07**	
Half deductions in internal plastering	0.5	1	2.10				2.10	2.21	
D1	0.5	4	1.20				2.10	5.04	
W	0.5	6	1.80				1.50	8.10	
V	0.5	21	0.75				0.75	5.91	
Full deductions in Internal plastering									
D1	1	3	1.20				2.10	7.56	
D2	1	1	0.90				2.10	1.89	
D3	1	25	0.75				2.10	39.38	
							Total deduction for internal plastering	**70.08**	
							Total Qty	803.74	
							Qty Paid on This Bill	**803.74**	

Contractor

Consultant Representative

Assistant Engineer(P)
RR Nagara,BBMP

Assistant Exe Engineer(P)
Project RR Nagara,BBMP

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